BY HOWARD FISK.

the 500 miles at an average speed of 74.77 a car he was allowed to enter a fifty-mile 500 miles in nineteen minutes less. The was attended by nearly 85,000 persons. The number of cars starting in the event was forty, the largest field ever witnessed

he quarter, half and mile distances, with v in the grandstand and watched mile

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MAGNETOS. HIGH-TENSION MAGNETOS. K-W MASTER VIBRATORS Ford owners, have you ever realized the value of a K-W master vibrator? If not look into it before your coil trouble occurs. One adjustment, and consequently a smoother and more powerful ming engine. See us.
MILLER-DUDLEY CO., 735 13th st. n.w.

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1222 H St. N.W. Warren-Detroit "30," Warren-Detroit Trucks. Warren Motor Car Co.,

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OWN AN AUTOMOBILE.

SECOND-HAND
CARS, RUNABOUTS, ROADSTERS
FROM \$250 TO \$1.000.

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K=R=I=T, \$800Detroit Electric EMERSON & ORME Main 7695.

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Flanders "20" COMMERCIAL AUTO AND SUP-New Tel. M. 2174.

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Ford CHAS. E. MILLER & BRO., 1105-7 14th st. nw. Tel. N. 4170.

Cording to an announcement made by the Touring Club of America, whereby motorists who are residents of the states of New York, Pennsylvania, Delaware, Uriginia and West Virginia may tour in Maryland for a seven-day period without obtaining any separate state license or tag from the commissioner of motor vehicles of Maryland. This privilege, of course, is only extended to motorists who have complied with the laws of the state in which they live. THE WILSON CO.. Phone North 3141. 1333 14th st. n.w.

Hudson "20" (The Most Widely Copied Car in America.)
(Howard Come's Masterplece.)

H. B. LEARY, JR. 1817 14TH ST. N.W. Phone N. 942. DETROIT-ELECTRIC APPERSON-REGAL

EMERSON & ORME, 1407 H ST. N.W. PHONE, MAIN 7695. Stoddard-Dayton

\$1,175 to \$4,200. Barnard Motor Car Co.,

HE eyes of the motoring public quarter-mile record is 8.16, and for the Washington cars of the toy-toaneau type. were focused last week on the Indianapolis speedway, where Indianapolis speedway, where records galore were establish- tled to the honor of "speed king," which ed and for the first time in honor came to him a few weeks ago at

holders at this time would not be out of in order that those participating in the place, in view of the wonderful feats tour might spend Sunday in Boston.

and seven injured—still the and seven injured—still the king," is but twenty-seven years old. Born near Imlay City, Mich., in 1884, Burmon stop, Belsir, 75 miles.

Even the one death recorded man lived on the farm until about seven miles; noon stop, Belsir, 75 miles.

June 21—Washington to Philadel miles; noon stop, Belsir, 75 miles.

June 22—Philadelphia to New York, noon stop, Belsir, 75 miles.

June 23—New York to Springfield. been avoided had a few enteen years of age. Then he went to noon stop, Waterbury, 93 miles.

June 24 Springfield to Worcester, 50 miles: been taken to securely fasten a testing automobiles, and tested the first car ever made by the Buick Motor Coms the rim flew off pany, when the factory was located at Jackson. Mich. Later he entered the employ of the Jackson Automobile Company.

| 10 miles. | driver of the ploy of the Jackson Automobile Company, and soon became head tester. While he was thus employed a freak racing car was thus employed a freak racing car June 28—Burlington to Montreal, June 28—Burlington to Mo was "no time vited Burman to a five-mile match race on favor- on the mile horse track at the fair even went grounds. Burman took the chance of be-

This started the speed career of the presin the long grind. ent monarch of them all. After much per-Marmon Wasp," suasion and the offer to pay his own exyoung Ray Harroun, traveled penses if the company would let him have race at Detroit in 1906. All of the big which it can be hands down. His next experience was to twenty-four-hour world's drive twenty-two and a half hours of a Then the Buick company got him and victory of 1910 was first American car in the Savannah grand prize race and prior to the 500-mile race races at the Indianapolis motor speed-Surman, in his powerful 200- way in July, 1910, but the disqualification Blitzen Benz, set up new fig- of the Marquette-Buick cars lost him the in the Indianapolis speedway for credits he gained by clever driving. Burman left the Buick team early this mark for the kilometer as well. year to drive the cars formerly owned by which includes so many towns and cities

established the records which

This is faster than man ever traveled before.

* * * *

| A Cadillac "30" touring car was deliving to the next rew months and the next rew mont Ray Harroun was born at Spartansburg. Pa., and is twenty-nine years old. He has driven in practically all of the great automobile races during the last three or four years. He holds a long list of records and has won many trophies. Harroun won more firsts than any other driver during 1910. Following are some of his records, regardless of class: 55 miles, 42:03.35; 00 miles, 45:51.72; 65 miles, 49:38.34; 70 miles, 53:25.28; 75 miles, 57:15.79; 80 miles, 1:01:04.77; 85 miles, 1:04:53.12; 90 miles, 1:08:41.2; 95 miles, 1:12:32.98; 100 miles, 1:16:21.9; 110 miles, 1:29:25; 120 miles, 1:37:18; 130 miles,

tomobile Association trophy and the two-

hour-free-for-all trophy of the Los Ange-

those of June 24 are to be held on the Brighton track. Several dealers are re-

Among those who have recently re-

ceived seven-passenger Washington tour-ing cars fully equipped are R. Moore, J. W. Long and A. L. Lyon. The Carter Motor Car Corporation has recently re-

AUTOMOBILE

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Baker Electric COOK-STODDARD CO., 1248.

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Halladay LE DROIT AUTO CO.. WAVER-by Terrace, 14th and 15th, T and U. Tel. North 371.

Pierce Arrow COOK-STODDARD CO., 1313 H n.w. Tel. M. 7248.

Regal EMERSON & ORME. 1407 H st. n.w.

rumbled seated cars, will be divided into the same seven divisions of class A as regards price. Touring cars and runabouts will not compete together in the same class. Referring to the price classification, the cost of lamps, lighting equipment, speedometers, tops, wind shields and other similar accessories do not enter into computation of the cars. However, if extra equipment is a germane aged a meet at the ocean track last summer, has taken the matter in hand and is arranging details of the races. It is said that other automobile events than

is said that other automobile events than those of June 24 are to be held on the must be included in computing the price

ported as being desirous of running a ment of passengers must be carried the twenty-four-hour race this season. full route, touring cars carrying four or

Cadillac COOK-STODDARD CO., 1313 H st. issued by Gov. Crothers of Maryland, according to an announcement made by

Pullman THEO. BARNES & CO., 1222 H lower portion of the car?"
The question is answered

starts from this city June 21 and ends at Ottawa, Canada, June 29, a distance of 1,097 miles, over roads of every descriptions. The dates were recently changed or two about the new record by the American Automobile Association

realize what the Canadian reciprocity agreement means. It is of far greater than the average mar imagines. The flow across the border, and brings a rich market for cars closer to our door. vastness of wrich scarcely can be con-

While Burman was cleaning things up in Barney Oldfield. He immediately drove in the Deminion, will accelerate consid-"Bob" entering the field, sat breaking all records for the kilometer, wherever the tour has wended its way invade a field which will be found in a cordially receptive mood, rather than an antagonistic one, as is the case with

> less they can comply with the stock car definition of the 1911 contest rules, and the minimum of twenty-five cars of such to the start of the tour.

INDIANAPOLIS SPEEDWAY CHAMPION

RAY HARRUCK, WINNER OF 500-MILE RACE ON MEMORIAL DAY AT INDIANAPOLIS SPECIALIS.

classification of the car. A full comple-

more persons, and miniature tonneaus

The Carter Motor Car Corporation of

of cars as is now handled by the Pope

company will be continued.

and runabouts two or more persons.

trophy, as well as the Glidden trophy, in-cluding surreys and single or double rumbled seated cars, will be divided into

the tires.

With the increasing popularity of tour- trip in a Cadillac touring car, through

bottom of the picture is exposed first and the top last, the top lines of the car are

The 1912 Hupmobile makes a handheretofore.

a number of other important improve ago. As the retail price of the acces

Touring Club of America, left yesterday enter generally into automobile season that territory covered has on a motor trip through Maryland to tion. Between six and seven num

In addition to sign posting many roads Clarkson.

One of the causes of a cylinder missing model actually must have been built prior brator point missing. A vibrator will not ments of Ball and Roller Bearing De-The touring car class in which touring spring is either too weak or too strong; Gears and Wheels," by E. R. Whitney; cars will compete for the Washington if the spring is broken or bent, or if the trophy, as well as for the Glidden trophy, will be divided into seven divisions of Class A as follows: 1:12:32.98; 100 miles, 1:16:21.9; 110 miles, 1:29:25; 120 miles, 1:37:18; 130 miles, 1:45:30; 140 miles, 1:43:57; 150 miles, 1:45:30; 140 miles, 1:43:57; 150 miles, 1:45:30; 160 miles, 1:43:57; 150 miles, 1:45:30; 180 miles, 1:43:57; 150 miles, 1:45:30; 180 miles, 1:43:57; 150 miles, 1:45:30; 160 miles, 1:43:57; 150 miles, 150:30; 160 miles, 150:30; 160 miles, 1:43:57; 150 miles, 150:30; 160 miles, 1:43:57; 150 miles, 150:30; 160 miles, 1:43:57; 150 miles, 150:30; 160 motordrome 100-mile stock chassis Contesting cars in the runabout and almost any soft metal, even copper. A trophy, the Remy Brassard, Atlanta Au- miniature tonneau class for the Ottawa little piece can be riveted to the vibrator

were broken last week. The mile record five-passenger touring car. J. F. Lillard top of the picture last. As it takes a was lowered from 35.63 to 35.35. The new and Mr. R. D. Brumback have purchased certain length of time for the shutter to ly high rate of speed there will have been an appreciable movement of the car

> somer showing than ever in the addition of full equipment of fore doors, top, zigzag windshield, head lights mounted on specially designed head sets and gas generator, which are supplied without extra cost to the buyer. The oil lamps, horn, tools and a repair outfit are supplied as

The new Hupmobile is also provided with wider fenders, vanadium springs and alone than the Hupmobile of two seasons sories that are now included as standard

The cooling system has been improve having somewhat larger capacity. has a pressed steel shell which p otects the vital parts from injury. The length of connecting hose has been reduced to a minimum, and all bends likely to give

an antagonistic che, as is the case with some of the fereign markets.

A number of makers have written asking if 1912 stock models are eligible. These will not be eligible for entry unless they are comply with the case.

much play in the axle-end bearings, too great a freedom in the steering joints or

possibly a bent spindle or axle end in-

variably exacts its penalty. Brakes, too, when they are out of or-

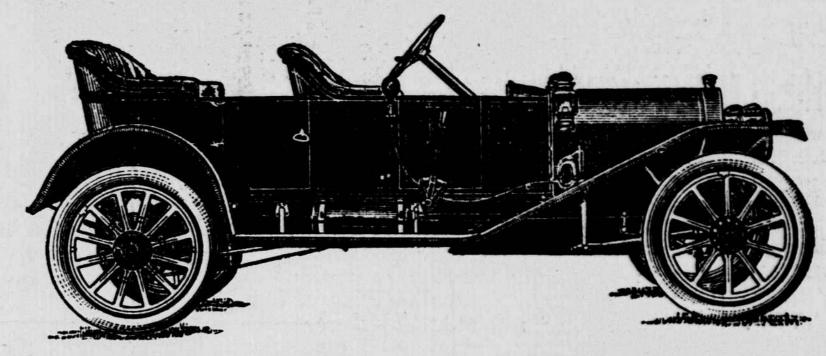
substances are most injurious to rubber.

Rudolph Jose and a party of friends

returned Friday afternoon from a motor

branch of the Century Tire Company.

INTERNATIONAL CHAMPION



THE MARMON

"The Easiest Riding Car In The World'

Won the International Sweepstakes 500-Mile Race on Decoration Day

In the Fastest Time Ever Made in Any Long-Distance Contest, 6 hrs. 41 mins. 8 sec., averaging

74.62 miles per hour. The Marmon hood was not raised during the long grind of 500 miles. Not a drop of new water was put in the radiator. Perfect lubrication and no mechanical trouble of any kind. Mr. Harroun said: "All credit is due my car for the brilliant victory. At no time was the throttle wide open, and I relied solely upon the consistent high speed to win for me over occa-

There Can Be But ONE LOGICAL CONCLUSION:

MARMON DESIGN--- MARMON MATERIALS---MARMON WORKMANSHIP--- ARE RIGHT! Touring Car, Suburban or Roadster, \$2,750.00

Representative for D. C., CLAYTON GRAFF 1341 W Street N.W.

production. This society is perhaps the livest of all the engineering organizations at the present time and has tackled his own masterly fashion, Barney Old-field, who held the title of "speed king" than Oldfield ever had dared, thereby the dared the standardizing of materials. Specifications and practices which the dared the d the records go by the boards. Burman in the Benz at used the same car which Oldfield used Daytona April 23, 1911, were: Kilometer, cars during the next few months and the secure information and road data. country not only in the motor car line, been under the successive presidencies of Howard E. Coffin and Henry Souther and the general managership of Coker F.

sional bursts in the back stretch.

At the Dayton meeting papers will be presented on the following subjects: "The Question of Long vs. Short Stroke Mofire can be a broken vibrator or a vi- dum Geats," by E. W. Weaver; "Ele "Rotary-Valve Gasoline Motors," by C. E "Oversize Standards for Pistons During the afternoons the members and

ness aeroplane flights at the Wright certs, and visit and inspect about twenty Automobiles will transport the members and guests from the hotels to the various places as desired. One evening the S A. E. members will attend a theatrical performance in a body. Another evening will be devoted to discussing subjects relating to commercial motor vehicles. * * * *

Death valley, once the peril of transcontinental tourists, is now a common automobil route. Borax is produced there in great quantities, and a thriving industry is in progress. Overseers and mine sup rintendents are daily driving in and out of the vailey in automobiles.

John E. George, commissioner of motor rehicles of Maryland, believes patrolmen n motor cycles should be stationed along he ma'n roads leading to Washington prevent high speeding. Gev. Crothers of Maryland proposes to appoint a special officer to make investigations into utomobile accidents. Bob Burman added another unique rec-

Bob Burman added another unique record to his collection by his daring driving on the Long Island motor parkway at midnight last week. Burman, at the wheel of a National speedster, covered one-half mile in .22 2-5, at a rate of eighty miles an hour. Burman depended entirely for illumination on a new magentirely for illumination on a new mag-neto light, which cast so powerful a ray that the clockers one-half mile away were able to read their watches by it. In all, Burman made three trials, and each was clocked by S. M. Butler, A. R. The wheels of a car should always run exactly parallel. Anything which prevents this will cause tire trouble. Too much play in the axle and hearings to

Gev. Dix has signed bills appropriating between \$4,000,000 and \$5,000,000 for the der, do damage to tires. Should only one of the back wheels lock when applying der the fifty-million-dollar highway act. One of the measures makes provision for the completion of the unimproved high-Another kind of tire trouble arises from way between New York and Rouses weakened springs. Every time the car Point. This route, which is designed to jolts badly the upper part of the tire connect, on the northern border, with a rubs against the mudguard, and as a re-sult the envelope is damaged. Canadian highway to Montreal, has been referred to as the modern Appian way.

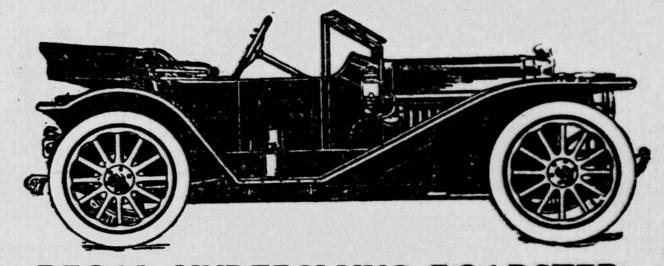
Never before have the residents of a region for the projected route of a Glidten tour contest been so enthusiastic The question has often been asked "Why is it in photographs of a swiftly moving motor car that the top lines of the car appear to be in advance of the lower portion of the car?"

The question is answered as follows:

"Photographs of swiftly moving motor

The question has often been asked next month. Thursday morning, June 15, about five hundred engineers engaged in the automobile and kindred industries will assemble at the Algonquin Hotel and occupy the rest of the week in sessions devoted to business, professional discussions and recreation.

"Photographs of swiftly moving motor sion and recreation.
cars that have the appearance referred The transactions resulting from the



REGAL UNDERSLUNG ROADSTER WINS

This classy gentleman's motor car Entered by E. H. CLARKE,

a private owner, in the "Four-Leaf Clover" Sociability Run

Won the First Prize in Division 2A

defeating all other cars which sell from \$801 to \$1200

REGAL, \$900

Other Regal Models Up to \$1650 **EMERSON & ORME**

1407 H STREET N. W.

PHONE M. 7695

Homer George, promoter.

June 10—Reliability run for electrics of Quaker City Motor Club, Philadelphia. June 10-Track race, Philadelphia Auto Trade Association.

June 13-14 — Milwaukee track races, state fair grounds, National circuit. June 15-16-Interclub reliability

match, Chicago Automobile Club-Chicago Athletic Association. June 17-Portland hill climb, Maine Auto Association. June 17-Ossining hill climb, Upper Westchester Auto Club. June 21-29-Glidden tour from Washington, D. C., to Ottawa, June 19—Reliability run of Hy-perion Field and Motor Club, Des Moines, Iowa. June 20-Reliability run of St. Louis Auto Club.

New York, national circuit. June 24-Hill climb of Quaker City Motor Club, Philadelphia.

June 25—Grand prix of Automobile Club of France.

June 25—Endurance contest, Denmark. June -- Hill climb, Norristown

Auto Club, Norristown, Pa.

June —-Reliability run of Denver Motor Club. June -- Reliability run of Oklahoma Auto Association. July -Track race, Panhandle Auto Fair Association, Amarilio, July 1-Road race, Riverhead, L. I., national circuit.

July 1-3-Rel!ability run of Motor Contest Association through Cats-July 4—Hill climb, Port Jefferson,
L. I., national circuit.
July 4—Road race, Kern County
Merchants' Association, Bakersfield, July 4-Track race of Wolverine Auto Club, Detroit.

ly block the road. In fact, when the grease is really bad he should regulate his speed so that the manipulation of the throttle lever will slow the car suffi-ciently to provide for the ordinary ex-igencies of traffic.

Mack Trucks

The Leading Gasoline Truck

1, 11/2, 2, 3, 4, 5, 7 and 10 Tons Bodies for Every Requirement

New York Telephone Co., 38 Mack Trucks. Bell Telephone Co., 63 Mack Trucks.

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The Car With a Record for Reliability. Guaranteed for Five Years.

SEVEN-PASSENGER TOURING CAR, FIVE-PASSENGER TOURING CAR, FOUR-PASSENGER TOY TONNEAU, ROADSTER. Mechanically perfect; finish of the highest standard; material and workmanship the best. A strictly HIGH-GRADE CAR. Before deciding on a car let us give you a demonstration.

Carter Motor Car Corporation.

Business Office and Factory, Hyattsville, Md. Executive Office, Munsey Bldg., Washington, D. C.

Driving chains also are often the cause of injury to tires. If the chains are There are a number of causes for this city has entered a touring car to slack the swinging motion produced by the car in running will cause the lower pounding in a motor, and among them participate in the tour. ders, which keeps aglow from heat of the ceived an order from the Sinuous Spring Wheel Company for two five-passenger Washington cars. These cars are to be painted dark green striped in gold, and equipped with their latest spring wheels. Dr. W. W. Stewart has just received a Dr. W. Stewart has just received a Dr. W. W. Stewart has just received a Company of the largest ever consummated of the ceived an order from the Sinuous Spring which seems aglow from heat of the whole the claim line is tor close to the composition, will ignite the incoming gas considerable surprise in motoring circles tires or when the chain line is tor close to the composition, will ignite the incoming gas considerable surprise in motoring circles to the painted dark green striped in gold, and equipped with their latest spring wheels. James H. Nolan of this city. The deal was one of the largest ever consummated to the composition of the compos was one of the largest ever consummated vals, first when the bolts pass on the up-shaft and wear the bearings. The use of in this city. Mr. Nolan will act as presi-per and again when they pass on the kerosene or carbon remover may elim-

dent and general manager of the company until the next meeting of the board of directors is held, when the future policy of the company will be outlined. It is quite probable that the same line Excessive lubrication causes carbon deposits.

ing in the southern states it will be the mountains of Virginia. The route good news to northern motorists to learn that a special proclamation has just been Leesburg. about the event, and never have there been so many cities asking to have the cars pass through them as is now the Frank Boyd of this city leaves this week cils, which indicate the extraordinary for Boston, where he will join the Boston popularity of the tour this year. Many want the contestants to stop overnight at their city and are promising all kinds of entertainment if their requests are The eyes of the automobile engineering granted. A number of prospective enworld are upon Dayton, Ohio, where the trants have made inquiry regarding the Society of Automobile Engineers will hold matter of getting their cars through the its annual summer meeting the middle of Canadian customs house when crossing

| Cars that have the appearance referred to are taken with what is known as a graphlex camera, which has a shutter that closes like a theater curtain. The meetings of the S. A. E. are the most valuable contribution to automobile engineering. The greatest advantage of S. A. E. membership is the interchange of signeering. The greatest advantage of S. A. E. membership is the interchange of signeering. The greatest advantage of S. A. E. membership is the interchange of signeering. The greatest advantage of S. A. E. membership is the interchange of diameter, according to the adjustment of the timing of the exposure. As the exposure. As the exposure on the negative is made upside the timing of the exposure. As the exposure on the negative is made upside the timing of the exposure. As the exposure on the negative is made upside who meet twice a year in national convention, in addition to sectional meetings of the S. A. E. has at the present time a should avoid traveling at a pace which would necessitate a strong application of the brakes should an obstruction suddenting.

| The best safeguard against side-slipping is to travel slowly at a steady, uniform pace. A sudden, violent application of the brakes, a sharp turn of the brakes should avoid traveling at a pace which which are traveled daily by motoris The best safeguard against side-slip-

Automobile Calendar. June 8-Algonquin hill climb, Chicago Motor Club, National circuit. June 10-11-Track meet, Chicago,